

CHAMPION ACTIVE DEFENCE 15W40 SHPD

This is a high-quality mineral diesel engine oil formulated to deliver reliable protection of all diesel engines in a wide variety of operational conditions. Due to the high content of active components, it can be used all year round in the toughest conditions. Its high resistance against ageing results in longer drain periods.

APPLICATIONS

Can be used in all modern diesel engines with natural aspiration or turbocharging in all working conditions. Universal use, including most gasoline engines. Suitable for diesel engines of older design of main American and European manufacturers. Complies with Euro II and III emission norms.

FEATURES

Total engine protection: performance in keeping the engine clean
Drain interval extension: long period between oil change

SPECIFICATIONS

ACEA	A3/B3-10	MACK	E0-L
ACEA	A3/B4-08	MAN	M3275-1
ACEA	E3-96 Issue 4	MB	229.1
API	CG-4/SJ	MB	approval 228.3
ALLISON	C4 Level	MTU	Oil Category 2
DAIMLER TRUCK	approval DTFR 15B110	VOLVO	VDS-2

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.882
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	98.4
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	13.8
Viscosity index	ASTM D2270		143
B.N. [HCL04 method]	ASTM D2896	mg KOH/g	8.5
Pour point	ASTM D6892	°C	-33
CCS viscosity at -20°C	ASTM D5293	mPa.s	6500
Sulfated Ash	ASTM D874	Mass %	1.18
Flash Point COC	ASTM D92	°C	225

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

CHAMPION CHEMICALS NV

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